

# Hair and Fingernail Testing - Alcohol & Drugs

## Hair and Fingernail Drug Panels

Panels:

	17	16	15	14	12	10	9	7	5
<b>Amphetamines</b> amphetamine, MDA, MDEA, MDMA, methamphetamine*	●	●	●	●	●	●	●	●	●
<b>Cannabinoids</b> carboxy-THC	●	●	●	●	●	●	●	●	●
<b>Cocaine</b> benzoylecgonine, cocaethylene, cocaine, norcocaine	●	●	●	●	●	●	●	●	●
<b>Opiates</b> 6-MAM, codeine, hydrocodone, hydromorphone, morphine, norhydrocodone	●	●	●	●	●	●	●	●	●
<b>Phencyclidine</b> phencyclidine (PCP)	●	●	●	●	●	●	●	●	●
<b>Benzodiazepines</b> alprazolam, diazepam, midazolam, nordiazepam, oxazepam, temazepam	●	●	●	●	●	●	●	●	
<b>Barbiturates</b> amobarbital, butalbital, pentobarbital, phenobarbital, secobarbital	●	●	●	●	●	●	●	●	
<b>Methadone</b> EDDP, methadone	●	●	●	●	●	●	●		
<b>Propoxyphene</b> propoxyphene, norpropoxyphene	●	●	●	●	●	●	●		
<b>Oxycodone</b> oxycodone, oxymorphone, noroxycodone	●	●	●	●	●	●			
<b>Meperidine</b> normeperidine	●	●	●	●	●				
<b>Tramadol</b> tramadol	●	●	●	●	●				
<b>Fentanyl</b> norfentanyl	●	●	●	●					
<b>Sufentanil</b> norsufentanil	●	●	●	●					
<b>Ketamine</b> ketamine, norketamine	●	●	●						
<b>Buprenorphine</b> buprenorphine, norbuprenorphine	●	●							
<b>Zolpidem</b> zolpidem (e.g. Ambien®)	●								

\*D/L Methamphetamine Isomer testing is available upon request for specimens that test positive for methamphetamine.

# Window of Detection: Up to 3 Months

## Additional Add Ons and Available Options For Hair and Fingernail

Additional Add Ons and Available Options	Add On	Stand Alone
<b>Diphenhydramine</b> diphenhydramine	✓	✓
<b>High-Potency Opioids (HPOs)</b> 6-β-Naltrexol (naltrexone metabolite), butorphanol (e.g. Stadol®), nalbuphine (e.g. Nubain®), naloxone (e.g. Narcan®), naltrexone (e.g. Revia®)	✓	✓
<b>EtG (Direct Ethanol Biomarker)</b> ethyl glucuronide	✓	✓
<b>Propofol Glucuronide</b> propofol glucuronide (e.g. Diprivan®)	✓	✓

## Hair

Hair testing is a powerful tool for the detection of drug and alcohol abuse. Hair provides a long-term history of drug and alcohol abuse by trapping biomarkers in the keratin fibers of the growing hair strand.

When collected close to the scalp, hair can provide up to a 3 month history of drug and alcohol abuse. Hair offers a specimen that is simple to collect, somewhat difficult to adulterate, and easy to ship.

A 1.5 inch specimen of about 200 strands of hair (about ¼ inch in diameter, the size of a #2 pencil) closest to the scalp will give 100 mg of hair. For EtG, add-ons and/or tests above 10-panel, 150 mg of specimen is required.



## Nails

Fingernail & toenail specimens are clipped and collected by the donor in front of a trained collection staff member. A clipping of 2-3 mm long (about the width of a quarter) from all 10 fingernails will provide about 100 mg of specimen. For EtG, add-ons and/or tests above 10-panel, 150 mg of specimen is required.

